

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
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Robert T. Foster et al.) Group Art Unit:
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Application No.:) Examiner:
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Filed: November 14, 2001)
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For: METHOD OF USING DEUTERATED)
CALCIUM CHANNEL BLOCKERS)



INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited was submitted in the parent application of Serial No. 09/558,325.

1. U.S. Patent 3,314,827, Hendrik de Vries, issued April 18, 1967;
2. U.S. Patent 4,304,782, Dumont et al., issued December 8, 1981;
3. U.S. Patent 4,636,509, Phillips et al., issued January 13, 1987;
4. U.S. Patent 4,412,986, Kawata et al., issued November, 1983;
5. U.S. Patent 4,675,338, Bommer et al., issued June 23, 1987;
6. U.S. Patent 4,898,855, Baggiolini et al., issued February 6, 1990;
7. U.S. Patent 4,874,780, Borretzen et al., issued October 17, 1989;
8. U.S. Patent 5,012,052, Hayes, issued April 30, 1991;
9. U.S. Patent 5,049,396, Oftebro et al., issued September 17, 1991;
10. U.S. Patent 5,122,511, Patchett et al., issued June 16, 1992;
11. U.S. Patent 5,130,145, Oftebro et al., issued July 14, 1992;
12. U.S. Patent 5,149,820, Borretzen et al., issued September 22, 1992;
13. U.S. Patent 5,149,846, Baggiolini et al., issued September 22, 1992;
14. U.S. Patent 5,169,773, Rosenthaler et al., issued December 8, 1992;
15. U.S. Patent 5,223,269, Liepins, issued June 1993;

16. U.S. Patent 5,227,467, Durrette et al., issued July 13, 1993;
17. U.S. Patent 5,247,123, Baggiolini et al., issued September 21, 1993;
18. U.S. Patent 5,314,827, Schmidt, issued May 1994;
19. U.S. Patent 5,318,901, Patchett et al., issued June 7, 1994;
20. U.S. Patent 5,376,540, Kyle, issued December 27, 1994;
21. U.S. Patent 5,424,539, Brand et al., issued June 13, 1995;
22. U.S. Patent 5,432,058, Lange et al., issued July 11, 1995;
23. U.S. Patent 5,525,590, Bollinger et al., issued June 11, 1996;
24. U.S. Patent 5,604,254, Quadro, issued February 18, 1997;
25. France Patent 2,673,291, August 28, 1992;
26. PCT 89/089486, October 5, 1989;
27. *Anal. Chim. Acta*, 247:249-254;
28. *Chem. Abstr.*, 10:46167cs (1982);
29. *Chem. Abstr.*, 11:58923cs (1987);
30. *Chem. Abstr.*, 12:79669cs (1992);
31. Funaki et al., "In vivo Oxidative Cleavage of a Pyridine-Carboxylic Acid Ester Metabolite of Nifedipine", *Biochem. Pharmacol.*, 38:4213-4216 (1989);
32. Hoffman et al., "Resolution of Verapamil from Heptadeutero-verapamil and their Wuatintion in Serum Using Capillary Gas Chromatography", *J. Chromatogr.*, 374:170-176 (1986);
33. *J. of Am. Chem. Soc.*, 87:3365-3371;
34. Rampe et al., "Deutêrated Analogs of Verapamil and Nifedipine", *Eur. J. Med. Chem.*, 28:259-263;
35. Stone-Elander et al., "Synthese of [isopropyl-11C]nimodipine for in vivo Studies of Dihyropyridine Binding in Man Using Positron Emission Tomography", *Int. J. of Radiat. Appl. and Instr. Part A: Appl. Radiat. and Isot.*, 42:871-875; and
36. *Tetrahedron*, 34:2377-2383.

To assist the Examiner, the documents are listed on the attached form PTO-1449.
It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

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Date: November 13, 2001